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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/981,845

DATE: 11/02/2001

TIME: 15:07:55

Input Set : A:\CMCC779-SEQ.ST25.txt

Output Set: N:\CRF3\11022001\I981845.raw

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3 <110> APPLICANT: Children's Medical Center Corporation
 4 Ashkar, Samy
 6 <120> TITLE OF INVENTION: Osteopontin-Coated Surfaces and Methods of Use
 8 <130> FILE REFERENCE: CMCC 779
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/981,845
 C--> 10 <141> CURRENT FILING DATE: 2001-10-18
 10 <150> PRIOR APPLICATION NUMBER: US 60/241,248
 11 <151> PRIOR FILING DATE: 2000-10-18
 13 <150> PRIOR APPLICATION NUMBER: US 60/327,273
 14 <151> PRIOR FILING DATE: 2001-10-05
 16 <160> NUMBER OF SEQ ID NOS: 16
 18 <170> SOFTWARE: PatentIn version 3.1
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 314
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Homo sapiens
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 27 Met Arg Ile Ala Val Ile Cys Phe Cys Leu Leu Gly Ile Thr Cys Ala
 28 1 5 10 15
 31 Ile Pro Val Lys Gln Ala Asp Ser Gly Ser Ser Glu Glu Lys Gln Leu
 32 20 25 30
 35 Tyr Asn Lys Tyr Pro Asp Ala Val Ala Thr Trp Leu Asn Pro Asp Pro
 36 35 40 45
 39 Ser Gln Lys Gln Asn Leu Leu Ala Pro Gln Asn Ala Val Ser Ser Glu
 40 50 55 60
 43 Glu Thr Asn Asp Phe Lys Gln Glu Thr Leu Pro Ser Lys Ser Asn Glu
 44 65 70 75 80
 47 Ser His Asp His Met Asp Asp Met Asp Asp Glu Asp Asp Asp Asp His
 48 85 90 95
 51 Val Asp Ser Gln Asp Ser Ile Asp Ser Asn Asp Ser Asp Asp Val Asp
 52 100 105 110
 55 Asp Thr Asp Asp Ser His Gln Ser Asp Glu Ser His His Ser Asp Glu
 56 115 120 125
 59 Ser Asp Glu Leu Val Thr Asp Phe Pro Thr Asp Leu Pro Ala Thr Glu
 60 130 135 140
 63 Val Phe Thr Pro Val Val Pro Thr Val Asp Thr Tyr Asp Gly Arg Gly
 64 145 150 155 160
 67 Asp Ser Val Val Tyr Gly Leu Arg Ser Lys Ser Lys Lys Phe Arg Arg
 68 165 170 175
 71 Pro Asp Ile Gln Tyr Pro Asp Ala Thr Asp Glu Asp Ile Thr Ser His
 72 180 185 190
 75 Met Glu Ser Glu Glu Leu Asn Gly Ala Tyr Lys Ala Ile Pro Val Ala
 76 195 200 205
 79 Gln Asp Leu Asn Ala Pro Ser Asp Trp Asp Ser Arg Gly Lys Asp Ser
 80 210 215 220
 83 Tyr Glu Thr Ser Gln Leu Asp Asp Gln Ser Ala Glu Thr His Ser His
 84 225 230 235 240

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87 Lys Gln Ser Arg Leu Tyr Lys Arg Lys Ala Asn Asp Glu Ser Asn Glu
88           245           250           255
91 His Ser Asp Val Ile Asp Ser Gln Glu Leu Ser Lys Val Ser Arg Glu
92           260           265           270
95 Phe His Ser His Glu Phe His Ser His Glu Asp Met Leu Val Val Asp
96           275           280           285
99 Pro Lys Ser Lys Glu Glu Asp Lys His Leu Lys Phe Arg Ile Ser His
100          290           295           300
103 Glu Leu Asp Ser Ala Ser Ser Glu Val Asn
104 305           310
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108 <211> LENGTH: 6
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110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Osteopontin-derived peptide
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117 Leu Val Leu Asp Pro Lys
118 1           5
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122 <211> LENGTH: 6
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124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
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138 <213> ORGANISM: Artificial Sequence
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146 1           5
149 <210> SEQ ID NO: 5
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151 <212> TYPE: PRT
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154 <220> FEATURE:
155 <223> OTHER INFORMATION: Artificial peptide sequence
157 <400> SEQUENCE: 5
159 Gly Arg Gly Asp Ser
160 1           5
163 <210> SEQ ID NO: 6
164 <211> LENGTH: 32
165 <212> TYPE: PRT

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169 <223> OTHER INFORMATION: Artificial peptide sequence
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177 Asp Ser Val Val Tyr Gly Leu Arg Ser Lys Ser Lys Lys Phe Arg Arg
178          20          25          30
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182 <211> LENGTH: 33
183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Artificial peptide sequence
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191 Val Phe Thr Pro Val Val Pro Thr Val Asp Thr Tyr Asp Gly Arg Gly
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195 Asp Ser Val Val Tyr Gly Leu Arg Ser Lys Ser Lys Lys Phe Arg Arg
196          20          25          30
199 Pro
203 <210> SEQ ID NO: 8
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205 <212> TYPE: PRT
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Artificial peptide sequence
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213 Arg Ser Arg Arg Ala Thr Glu Val Phe Thr Pro Val Val Pro Thr Val
214 1          5          10          15
217 Asp Thr Tyr Asp Gly Arg Gly Asp Ser Val Val Tyr Gly Leu Arg Ser
218          20          25          30
221 Lys Ser Lys Lys Phe Arg Arg Pro
222          35          40
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231 <223> OTHER INFORMATION: Artificial peptide sequence
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239 Val Phe Thr Pro Val Val Pro Thr Val Asp Thr Tyr Asp Gly Arg Gly
240          20          25          30
243 Asp Ser Val Val Tyr Gly Leu Arg Ser Lys Ser Lys Lys Phe Arg Arg
244          35          40          45
247 Pro
251 <210> SEQ ID NO: 10
252 <211> LENGTH: 40

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266          20          25          30
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270          35          40
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284 1          5          10          15
287 Asp Thr Tyr Asp Gly Arg Gly Asp Ser Val Val Tyr Gly Arg Arg Ser
288          20          25          30
291 Lys Ser Lys Lys Phe Arg Arg Pro Ala Gly Ala Ala Gly Gly Pro Ala
292          35          40          45
295 Gly Pro Ala Gly Pro Ala Gly Pro Ala Gly Pro Ala Gly Pro Ala
296          50          55          60
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301 <212> TYPE: PRT
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Artificial peptide sequence
307 <400> SEQUENCE: 12
309 Arg Ser Arg Arg Val Phe Thr Pro Phe Ile Pro Thr Glu Ser Ala Asn
310 1          5          10          15
313 Asp Gly Arg Gly Asp Ser Val Ala Tyr Gly Leu Lys Ser Lys Ser Lys
314          20          25          30
317 Lys Phe Arg Arg
318          35
321 <210> SEQ ID NO: 13
322 <211> LENGTH: 32
323 <212> TYPE: PRT
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Artificial peptide sequence
329 <400> SEQUENCE: 13
331 Asp Thr Phe Thr Pro Ile Val Pro Thr Val Asp Val Pro Asn Gly Arg
332 1          5          10          15
335 Phe Asp Ser Leu Ala Tyr Gly Leu Lys Ser Lys Ser Lys Lys Phe Gln

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Input Set : A:\CMCC779-SEQ.ST25.txt

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342 <213> ORGANISM: Artificial Sequence
344 <220> FEATURE:
345 <223> OTHER INFORMATION: Artificial peptide sequence
347 <400> SEQUENCE: 14
349 Arg Ser Arg Arg Ala Thr Glu Val Phe Thr Pro Val Val Pro Thr Val
350 1          5          10          15
353 Asp Thr Tyr Asp Gly Arg Ala Asp Ser Val Val Tyr Gly Arg Arg Ser
354          20          25          30
357 Lys Ser Lys Lys Phe Arg Arg Pro
358          35          40
361 <210> SEQ ID NO: 15
362 <211> LENGTH: 40
363 <212> TYPE: PRT
364 <213> ORGANISM: Artificial Sequence
366 <220> FEATURE:
367 <223> OTHER INFORMATION: Artificial peptide sequence
369 <220> FEATURE:
370 <221> NAME/KEY: MISC_FEATURE
371 <222> LOCATION: (1)..(1)
372 <223> OTHER INFORMATION: Acetyl-modified N-terminus
375 <400> SEQUENCE: 15
377 Arg Ser Arg Arg Ala Thr Glu Val Phe Thr Pro Val Val Pro Thr Val
378 1          5          10          15
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382          20          25          30
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386          35          40
389 <210> SEQ ID NO: 16
390 <211> LENGTH: 59
391 <212> TYPE: PRT
392 <213> ORGANISM: Artificial sequence
394 <220> FEATURE:
395 <223> OTHER INFORMATION: Osteopontin fragment
397 <400> SEQUENCE: 16
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400 1          5          10          15
403 Glu Phe His Ser His Glu Phe His Ser His Glu Asp Met Leu Val Val
404          20          25          30
407 Asp Pro Lys Ser Lys Glu Glu Asp Lys His Leu Lys Phe Arg Ile Ser
408          35          40          45
411 His Glu Leu Asp Ser Ala Ser Ser Glu Val Asn
412          50          55

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/981,845

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Input Set : A:\CMCC779-SEQ.ST25.txt

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date